

VIRAJ IMPOEXPO LIMITED

10, IMPERIAL CHAMBERS, 1ST FLOOR,
WILSON ROAD, BALLARD ESTATE,
MUMBAI - 400 038 INDIA

TEST CERTIFICATE

CUSTOMER :

ORDER NO .

PACKING LIST NO.
IMP/14682

INSPECTION NO
IMP/14682/1

DATE
14/09/2005

BUNDLE NO .
157684,157690,157721,157722,157726

GRADE
316/316L

DESCRIPTION :
STAINLESS STEEL BRIGHT BARS

PEELED & POLISHED

SIZE (INC)	SHAPE	TOLERANCE	LENGTH (FT)	PIECES	WEIGHT (LBS)
4	ROUND	ASTM A484	12' - 14'	18	9939

CHEMICAL ANALYSIS

HEAT NO.	C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N	Co
69395	0.022	1.48	0.47	0.020	0.040	10.10	16.18	2.05	0.48	0.065	0.20

TEST RESULT

.2% YIELD STRENGTH KSI	TENSILE STRENGTH KSI	ELONGATION %	REDUCTION OF AREA %	HARDNESS BHN	GRAIN SIZE
42	88	59	72	158	6

Specification :

MATERIAL CONFIRMS TO ASTM A276-00a, A 479-01, A484-00, A282-00 PRACTICE E, RMS 50, ASTM A193-01b B8M CL1, A389-05ED, A182-01a AMS 5648/J6833E, ASME SA-182-98ED, SA479-98ED, SA-193-98 B8M C LT, QQ-S-763F, MILL-S-7720A AM2, NACE-MR-01-76-99, UNSF5316 00/S31603, ASTM E 112-88(GRAIN SIZE). CERTIFICATION AS PER EN 10204-3.1B

Remarks :

MATERIAL IS FREE MERCURY CONTAMINATION. FREE FROM WELD OR WELD REPAIRS, MICRO:FREE FROM CONTINUOUS CARBIDE NETWORK ON GRAIN BOUNDARIES, MACRO:GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, WATER QUENCHED.

We hereby certified that the material described above has been tested and complies with the terms of order/contract.

K. R. Murthy
WORKS INSPECTOR
(K. R. K. MURTHY)

E14016